



# MEMORANDUM

**To:** Mayor and Members of the City Council

**From:** Montique McClary, Interim City Manager  
Dwan A. Bell, Public Utilities Director

**Date:** July 8, 2022

**Subj:** Consideration – Award of FY 2022-2023 Chemical Purchase Contracts

## ***BACKGROUND:***

The City solicits bids annually for the purchase of chemicals used at the Water and Wastewater Treatment facilities. For fiscal year 2022-2023, chemical bids were received through the purchasing office.

## ***ANALYSIS:***

The following is a summary of the lowest and best bidders for chemicals. The Bid / Quote Summary was prepared by purchasing, and shows the apparent lowest and best bids received.

### **JCI Jones Chemicals, Inc. – Milford, VA**

Liquid Chlorine – \$1710.00 per cylinder – Approx. 62 one-ton cylinders in six-ton Deliveries

Liquid Sulfur Dioxide – \$250.00 per cylinder – Approx. 220 (150 lb) cylinders per Year

### **SNF Polydyne Inc. – Riceboro, GA**

Clarifloc A-210P - \$1.35 per lb. – Approx. 2 ea in 2,300 lb (275 gal) IBC Tote

Liquid Polymer C-6266 - \$1.53 per lb. – Apprx 12 ea in 2,300 lb (275 gal) IBC Tote

### **Univar Solutions USA, Inc. – Morrisville, PA**

Ammonium Hydroxide 29.4% – \$880.00 per ton – Approx. 21 tons in seven wet ton deliveries

**Greer Industries, Inc.** – Morganton, WV Hydrated Lime – \$235.88 per ton – Approx. 1110 tons per year

**Shannon Chemical Corp., Malvern PA** Sodium Hexametaphosphate – \$86.50 per bag – Approx. 200 (50 lb) in 30 bag deliveries

**AirGas, Charlotte, NC** Liquid Carbon Dioxide – \$390.00 per ton  
– Approx. 25 tons in five ton deliveries

**Water Guard, Wilson, NC** Hydrofluorosilicic Acid 23% – \$0.37 per lb. –  
Approx. 40 ea 550 lb drums in eight drum deliveries

**G20, Ambler, PA** Aluminum Sulfate 50% – \$495.00 per dry ton – Approx. 312  
dry tons in 12 dry ton deliveries

The following is an estimated breakdown of the chemicals used and the estimated cost for FY 2022-23 at both the Water and Wastewater Treatment facilities.

Chemical	Units	Unit Cost	Water Plant		Wastewater Plant	
			Est. Quantity	Est. Cost	Est. Quantity	Est. Cost
Hydrate Lime	Ton	\$235.88	910	\$214,650.80	200	\$47,176.00
Aluminum Sulfate, 50%	Ton, Dry	\$495.00	312	\$154,440.00		
Sodium Hexametaphosphate	Bag (50lb)	\$86.50	200	\$17,300.00		
Polymer, Clarifloc A-210P	lb	\$1.35	4,600	\$6,210.00		
Liquid Chlorine	Cylinder (1-ton)	\$1,710.00	40	\$68,400.00	22	\$37,620.00
Hydrofluorosilicic Acid, 23%	lb	\$0.37	22,000	\$8,140.00		
Ammonium Hydroxide 29.4%	Ton, wet	\$880.00	21	\$18,480.00		
Liquid Carbon Dioxide	Ton	\$390.00	25	\$ 9,750.00		
Polymer, Clarifloc A-6266	lb	\$1.53			27,600	\$42,228.00
Liquid Sulfur Dioxide	Cylinder (150lb)	\$250.00			220	\$55,000.00
				<b>\$497,370.80</b>		<b>\$182,024.00</b>

***STAFF RECOMMENDATION:***

By motion, award chemical bids as presented above for the chemicals used at the Water and Wastewater Treatment Facilities.